



# Nitoprime® 30

## Moisture insensitive epoxy resin based solvent free primer for concrete and steel surfaces

### Uses

It is suitable for priming concrete and steel surfaces prior to the application of any of the Fosroc's range of epoxy resin based toppings.

### Advantages

- Low viscous - Easy to apply
- Solvent free - non hazardous
- Effective even on damp surfaces
- Improves the adhesion of epoxy toppings with wet substrates.

### Description

Nitoprime 30 is a two component epoxy based primer with good adhesive properties for concrete and steel surfaces.

### Technical Support

Fosroc provides a countrywide technical advisory service supported by a team of specialists in the field.

### Properties

**Pot life @ 30°C:** 20 mins.

**Temperature:** Recommended application limitations range is 10°C - 40°C. Consult local Fosroc office where application is outside the above range.

### Application instructions

#### Surface preparation

Thorough surface preparation is vital. For best results mechanical surface preparation is recommended. (For example, mechanical scarifying, grit-blasting, sand-blasting). For flooring and tanking works, care must be taken to ensure that the substrates do not suffer from rising dampness although wet surfaces are permitted. If such conditions exist, consult Fosroc.

#### New Concrete surfaces

Should be atleast 28 days old or have a moisture content of less than 5% before proceeding with epoxy application. Laitence and deposits on new concrete floors are best removed by light grit-blasting, mechanical scabbling or grinding. On smaller areas thorough etching using Reebaklens may be considered. After etching the surface, it should be thoroughly washed with clean water and then allowed to dry.

#### Old concrete surfaces

Again, mechanical cleaning methods are strongly recommended on old concrete surfaces, particularly where heavy contamination by oil and grease has occurred or existing coatings are present. These may well have been absorbed several millimeters deep into the concrete. To ensure good adhesion all contamination should be removed and the surface thoroughly cleaned of all dust and loose debris. A thorough detergent wash is also recommended followed by thorough cleaning with clean water and mopping it off to a dry state.

#### Steel surfaces

Should be degreased and grit-blasted to SA 21/2 finish prior to application.

#### Mixing

Add the entire contents of the smaller hardener tin to the base and mix thoroughly for 3 mins, until homogeneous, using a slow speed drill ( 400 - 500 rpm) fitted with a suitable mixing paddle.

#### Application

Once mixed the primer should be applied immediately in a thin continuous film to the clean prepared surface. Work the primer into the surface using a stiff brush or roller. Excess application and puddling should be avoided. On porous surfaces Nitoprime 30 will be absorbed very quickly. It is recommended that a second priming coat be applied to these dry areas. This not only helps to ensure good adhesion but also prevents air release

from the porous substrate which may cause bubbles in the final epoxy topping later.

For Nitoflor SL2000/4000 applications, leave the Nitoprime 30 for atleast 8 hours. For Nitoflor TF, Nitomortar and Nitocote, allow Nitoprime 30 to become tacky. Please refer to the relevant data sheets of toppings for further information.

#### Estimating

#### Packaging and Coverage

	Pack size	Approximate coverage rate
Nitoprime 30	1 kg	4 - 5 m <sup>2</sup> (Depends on the texture and type of substrate)

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## Storage

Nitoprime 30 has a shelf life of 12 months when stored in unopened containers under normal warehouse conditions.

## Precautions

### Health & Safety

Nitoprime 30 should not come into contact with

skin and eyes or be swallowed. Some people are sensitive to epoxy resins, hardeners and solvents. Gloves, goggles and barrier creams must be used. If the resin comes in contact with skin, it must be removed before it hardens with a resin removing cream, followed by washing with soap and water - SOLVENT should not be used.

Nitoflor Sol should be washed from skin immediately with soap and water. Should accidental eye contamination occur with any of the above products, it should be washed well with plenty of water and medical advice should be sought. If swallowed medical attention should be sought immediately. Vomiting should not be induced.

## Cleaning

All tools and equipments should be cleaned with Nitoflor Sol immediately after use. Spillages should be absorbed with sand or sawdust and disposed off in accordance with local regulations.

## Fire

Nitoflor Sol, Nitoprime 30 are flammable. Do not expose to naked flames or other sources of ignition. Do not smoke while handling the materials. Containers should be tightly sealed when not in use. In the event of fire, extinguish with Carbondioxide or foam type extinguishers.

## Flash point

Nitoflor Sol	33°C
Nitoprime 30	35°C

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### Important note :

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INDIA/2005/503/A

